

KEY STONE

Product Data Sheet



DESCRIPTION

KEY STONE is a 100% solids epoxy binder resin specially formulated for excellent clarity and improved resistance to degradation from ultraviolet (UV) light exposure. **KEY STONE** is used as a binder for “river rock” or natural stone surfacing for interior and exterior applications on plazas, patios, courtyards, and pool decks.

KEY ADVANTAGES

- Excellent clarity and color retention
- Low odor for use in occupied areas
- Meets USGBC LEED criteria for low VOC
- Resistant to degradation caused by ultraviolet light

KEY CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials
- Finished system should be sealed with a urethane for exterior application

COLOR SELECTION

KEY STONE is available in Clear only.

COMPOSITION

100% solids epoxy resin with aliphatic amines.

COVERAGE

KEY STONE varies with application.

CURE/DRY TIME

| | |
|-----------------------------|------------------|
| Working Life | 20-30 min @ 70°F |
| Initial Cure | 12-14 hrs @ 70°F |
| Recoat | 12-24 hrs @ 70°F |
| Light Foot Traffic Service | 24 hrs @ 70°F |
| Full Cure & Max. Resistance | 7 Days @ 75°F |

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in **Key Resin Technical Bulletin #1**. Work must be performed by trained or experienced contractors or maintenance personnel. Contact the **Key Resin Technical Service Department** with questions.

INSTALLATION

Installation of **KEY STONE** varies with the application. Typically, **KEY STONE** is blended with graded natural aggregates and troweled to a desired thickness. For complete installation instructions, contact **Key Resin Technical Service**.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner. Consult Safety Data Sheet (SDS) for safety and health precautions.

KEY STONE

Product Data Sheet



TECHNICAL DATA

| | |
|---|--|
| Viscosity @ 75°F | 400-600 cps |
| Mixing Ratio | 2 Parts A:1 Part B by Volume |
| Solids Content | 100% Solids by Volume |
| Volatile Organic Content (VOC) (EPA Method 24) | <50 g/L, compliant to low VOC Rule 1113 in all 50 |
| Gloss, 60° | 85-100 |
| Weight/gal | 8.50-9.00 lbs/gal, Mixed |

AVAILABILITY

Key Resin materials are available throughout the United States and a number of other countries. Contact the **Key Resin Representative** in your area for details.

MAINTENANCE

After completing the application of **KEY STONE**, the installer should provide the owner with maintenance instructions. **KEY STONE** is easily cleaned with neutral soaps or detergents. Refer to **Key Resin Technical Bulletin #3** and **#3A** for additional recommendations. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat.

TECHNICAL SERVICE

Key Resin Company provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **Key Resin Sales/Technical Representatives** are available to assist you. Telephone 888.943.4532 or visit www.keyresin.com.

WARRANTY

Key Resin Company ("Key") warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed, and applied in accordance with recommendations of Key. If any product fails to meet this warranty, the liability of Key will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Key within (1) one year of delivery of materials. Key may in its discretion refund the price received by Key in lieu of replacing the material. No customer, distributor, or representative of Key is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Key. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Key reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. KEY'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND KEY SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Rev 2/26/2025 v1.1

CORPORATE OFFICE / EASTERN US / INTERNATIONAL

4050 Clough Woods Drive . Batavia, OH 45103
513.943.4225 888.943.4532 www.keyresin.com

WESTERN US

4330 N. 43rd Avenue, Suite B4, Phoenix, AZ 85031
602.523.9353